

LONGITUDINAL BUFFER SPACE = B								
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60
LENGTH B (FEET)	155	200	250	305	360	425	495	570

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
1 ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

MINIMUM TAPER LENGTH = L (FEET)								
LANE WIDTH (FEET)	POSTED SPEED (MPH)							
	25	30	35	40	45	50	55	60
10	-	-	-	270	450	500	550	-
11	-	-	-	294	495	550	605	660
12	-	-	-	320	540	600	660	720

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE		

- ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
40 / 45	30	60

PCMS SAMPLE MESSAGE	
1	2
2 LANES CLOSED	ONE MILE AHEAD
1.5 SEC	1.5 SEC

FIELD LOCATE IN ADVANCE OF LANE CLOSURE SIGNING

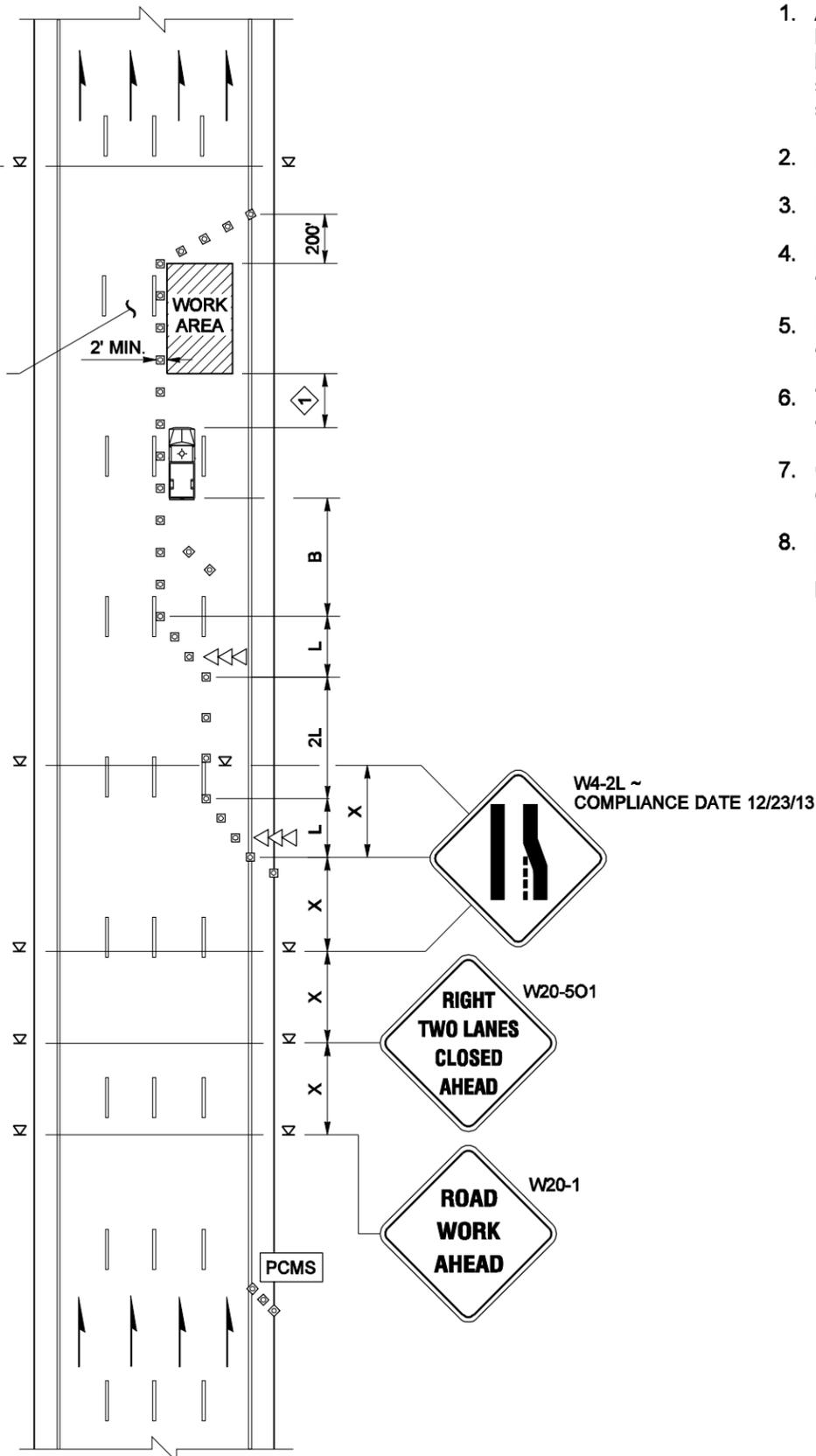
LEGEND

-  SIGN LOCATION
-  CHANNELIZING DEVICES
-  PROTECTIVE VEHICLE ~ RECOMMENDED
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ARROW PANEL

G20-2A OR DOWNSTREAM TAPER TO SHOW END OF WORK AREA ~ SEE NOTE 7

END ROAD WORK

RECOMMEND CLOSING ADJACENT LANE TO MAINTAIN BUFFER SPACE ~ SEE STANDARD PLAN K-24.20 FOR ALTERNATE ENCROACHMENT



NOTES

- A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
- Devices shall not encroach into adjacent lanes.
- Extend device taper (L/3) across shoulder ~ recommended.
- Portable Changeable Message Sign (PCMS) ~ recommended.
- Use Transverse Devices in closed lane every 1000' ± ~ recommended.
- Traffic Safety Drums for all tapers on high speed roadway ~ recommended.
- Channelizing Device spacing for the downstream taper option shall be 20' O.C.
- For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

**FOR LOCAL AGENCY USE ONLY
NOT FOR USE ON STATE ROUTES**



EXPIRES AUGUST 9, 2009

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

**DOUBLE LANE CLOSURE
ON MULTILANE ROADWAY
STANDARD PLAN K-24.40-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 10-12-07
STATE DESIGN ENGINEER DATE

 Washington State Department of Transportation